



(19)

(11) Publication number: 201

Generated Document

## PATENT ABSTRACTS OF JAPAN

(21) Application number: 2000340190

(51) Intl. Cl.: **G03B 15/00 G03B 5/00 G03B 5/225 H04N 7/18**

(22) Application date: 08.11.00

(30) Priority:

(43) Date of application publication: 22.05.02

(84) Designated contracting states:

(71) Applicant: NISCA CORP.

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**UMEDA YOSHITO**  
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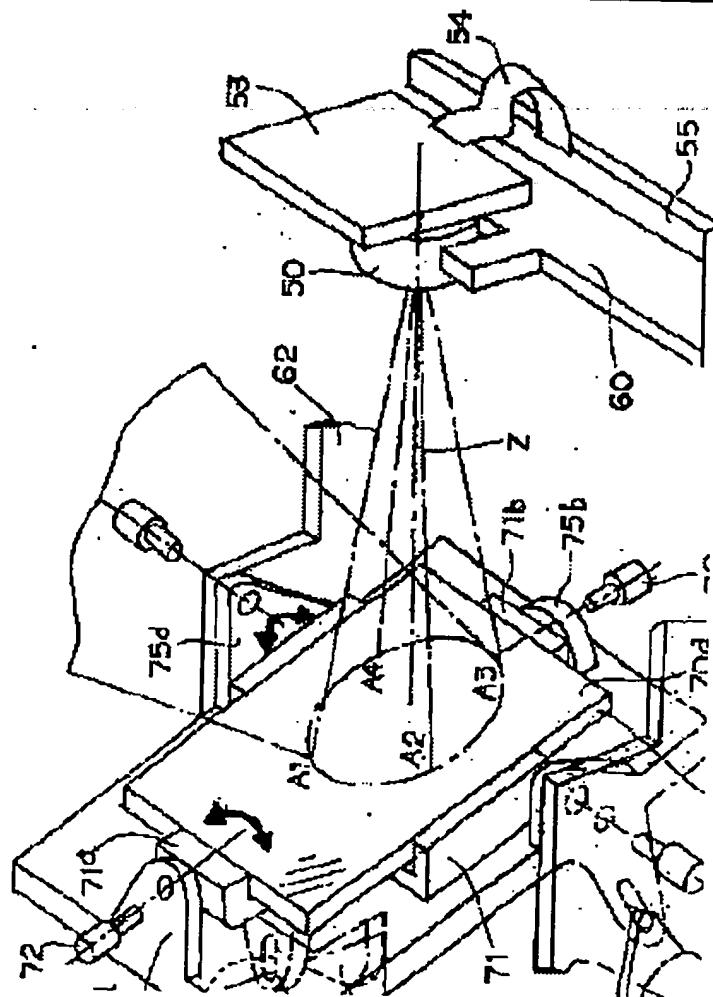
(74) Representative:

**(54) PAN TILT CAMERA,  
AND MIRROR UNIT FOR  
THE SAME**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a camera mirror unit for preventing the occurrence of image blurring, as for a camera for continuously photographing a moving image in plural various positions in an image pickup direction.

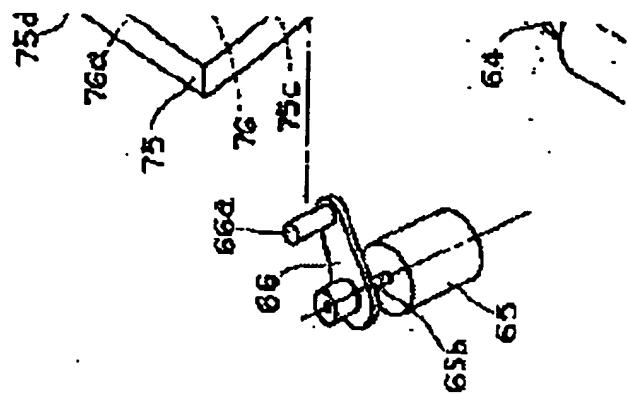
**SOLUTION:** As for the camera provided with an image pickup means or picking up the image of an object, a lens for forming the image on the image pickup means, a mirror arranged ahead of the lens so as to change the image pickup direction and a driving means for driving the mirror so as to change the direction of the mirror, the driving means is provided with a coil for generating a magnetic field corresponding to a current, a permanent magnet arranged



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racing the coil, and a displacement sensor such as a Hall element for detecting the relative displacement between the coil and the permanent magnet. Besides, it is allocable that the driving means is composed of a piezoelectric element.

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>Title: **JP2002148685A2: PAN TILT CAMERA, AND MIRROR UNIT FOR THE**

Country: **JP Japan**

Kind: **A2 Document Laid open to Public inspection**

Inventor: **KUBOTA MINEO;  
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Published / Filed: **2002-05-22 / 2000-11-08**

Application Number: **JP2000000340190**

IPC Code: **G03B 15/00; G03B 5/00; G03B 17/00; H04N 5/225; H04N 7/18;**

Priority Number: **2000-11-08 JP2000000340190**

Abstract:

**PROBLEM TO BE SOLVED:** To provide a camera mirror unit for preventing the occurrence of image blurring, as for a camera for continuously photographing a moving image in plural various positions in an image pickup direction.

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Family: None

Other Abstract: DERABS G2002-532625

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